

# Chemical Dispensing Systems that Connect to Service Sinks

1. Chemical dispensing systems provide a means of mixing potable water with chemicals to provide the user with a chemical solution which is ready for use.
2. Create a high degree of hazard.
3. Connect to the hose threaded spout of a janitor sink.  
*(NOTE: The plumbing code already requires the janitor sink faucet to have backflow protection regardless of whether there are hose threads on the spout or not).*
4. Utilizes a “water wasting tee” which “wastes” a minimum of .1 gallon or .4 liters per minute into the janitor sink. The design diverts a sufficient amount of water to the chemical dispensing system and provides adequate mixing of the chemicals. The “water wasting tee” is an indicator showing when the water is turned on to the chemical dispensing system, and as an indicator, assures compliance with the adopted standards for the backflow prevention device provided for the janitor sink faucet (IE: *no valve downstream, and not more than 12 hours continuous use*).
5. Must have received an “Alternate Approval” as a product, with all models listed. (*Alternate Approvals are issued by the Department of Commerce, Division of Safety and Buildings*) or meet ASSE 1055.
6. May only be installed as approved.....(IE: *cannot use the “water wasting tee” for another application or for models which are not listed as approved*)
7. May not just “create” a “water wasting tee” (IE: *“garden hose wye”, a mixture of fittings, etc*) , or use one from another product or model without obtaining an Alternate Approval as a product.
8. Must install and use the “product” as it was submitted and approved as the “Alternate Approval”, or meeting ASSE 1055.
9. The majority of the manufacturers that use the “water wasting tee” also use a combination air gap/aspirator for each chemical it is mixing. (*commonly located inside of the chemical dispensing system itself*).

10. Models which have received an Alternate Approval, or meet ASSE 1055 and have additional backflow protection attached immediately after the “water wasting tee”, may use any type of material for the “piping” between the additional backflow preventer and the chemical dispensing system.
11. Models which have received an Alternate Approval, or meet ASSE 1055 but do not have additional backflow protection attached immediately after the “water wasting tee”, must use either approved water distribution piping material or an approved fixture supply connector for the “piping” between the “water wasting tee” and the chemical dispensing system.





